

Title (en)  
BLEACH CATALYST GRANULES, USE THEREOF AND WASHING AND CLEANING AGENTS CONTAINING THE SAME

Title (de)  
BLEICKATALYSATORGRANULATE, DEREN VERWENDUNG UND WASCH- UND REINIGUNGSMITTEL ENTHALTEND DIESE

Title (fr)  
GRANULÉS CATALYSEURS DE BLANCHIMENT, LEUR UTILISATION, ET PRODUITS DE LAVAGE ET DE NETTOYAGE CONTENANT LESDITS GRANULÉS

Publication  
**EP 3008157 B1 20170712 (DE)**

Application  
**EP 14723720 A 20140509**

Priority  
• DE 102013010150 A 20130615  
• EP 2014001264 W 20140509

Abstract (en)  
[origin: WO2014198368A1] The invention relates to a bleach catalyst granules containing a metal-containing bleach catalyst, which comprise at least one ligand selected from the group comprising di- or trimethyltriazacyclonananes or derivates therefrom, and a homo- or copolymer polycarboxylate, salts thereof or partially neutralised having a pH-value of between 3 and 9. Said granules are produced in an anhydrous granulation process, in particular by compacting, the treatment temperature being maintained at below 100 °C.

IPC 8 full level  
**C11D 3/39** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP US)  
**C11D 3/30** (2013.01 - US); **C11D 3/32** (2013.01 - US); **C11D 3/3757** (2013.01 - US); **C11D 3/3761** (2013.01 - EP US); **C11D 3/391** (2013.01 - US);  
**C11D 3/3912** (2013.01 - US); **C11D 3/3915** (2013.01 - US); **C11D 3/3917** (2013.01 - US); **C11D 3/392** (2013.01 - US);  
**C11D 3/3922** (2013.01 - US); **C11D 3/3925** (2013.01 - US); **C11D 3/3935** (2013.01 - EP US); **C11D 3/3942** (2013.01 - US);  
**C11D 17/0073** (2013.01 - EP US); **C11D 17/0091** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102013010150 A1 20141218**; DK 3008157 T3 20171023; EP 3008157 A1 20160420; EP 3008157 B1 20170712; ES 2640094 T3 20171031;  
US 2016145541 A1 20160526; US 9902921 B2 20180227; WO 2014198368 A1 20141218

DOCDB simple family (application)  
**DE 102013010150 A 20130615**; DK 14723720 T 20140509; EP 14723720 A 20140509; EP 2014001264 W 20140509; ES 14723720 T 20140509;  
US 201414898189 A 20140509